Review of: "EEG-based Emotion Classification using Deep Learning: Approaches, Trends and Bibliometrics"

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Potential competing interests: No potential competing interests to declare.

The paper provides a comprehensive bibliometric analysis of emotion classification research, focusing on EEG data and deep learning, revealing trends and identifying key contributors and gaps in the field.

Strengths:

1. Comprehensive dataset analysis from the Scopus database, offering a broad view of the field's evolution.
2. Detailed comparison of methodologies and findings from 26 studies, contributing to understanding current trends and gaps.
3. Effective use of bibliometric tools and visual representations to analyze and present data.

Weaknesses:

1. Limited to papers from the Scopus database, potentially overlooking relevant studies from other sources.
2. Focuses mainly on bibliometric analysis, which might limit the depth of technical evaluation of the methodologies discussed.
3. The recommendation section for future research is not explicitly defined, missing an opportunity to guide subsequent studies.

Minor Comments:

1. The article could benefit from a clearer structure in the literature review to enhance readability.
2. Figures and tables are well-integrated, but some might require further explanation for clarity.
3. There are minor issues with redundancy in the introduction and conclusion sections that could be streamlined.

Recommendation:

Given the paper's thorough analysis, valuable insights, and identification of research trends and gaps, I recommend acceptance with minor revisions. Addressing the weaknesses and minor comments could further strengthen the paper, making it an essential resource for researchers in the field of emotion classification using EEG and deep learning.